



Missouri Department of Natural Resources

Total Maximum Daily Load Information Sheet

Troublesome Creek

Water Body Segment at a Glance:

Counties:	Knox, Lewis and Marion
Nearby Cities:	La Belle and Ewing
Length of impaired segment:	34 miles
Pollutant:	Low Dissolved Oxygen.
Source:	None Given
Water Body ID:	0074



Scheduled for TMDL development: 2016

Description of the Problem

Designated beneficial uses of Troublesome Creek

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life
- Protection of Human Health (Fish Consumption)
- Whole Body Contact Recreation

Use that is impaired

- Protection of Warm Water Aquatic Life

Standards that apply

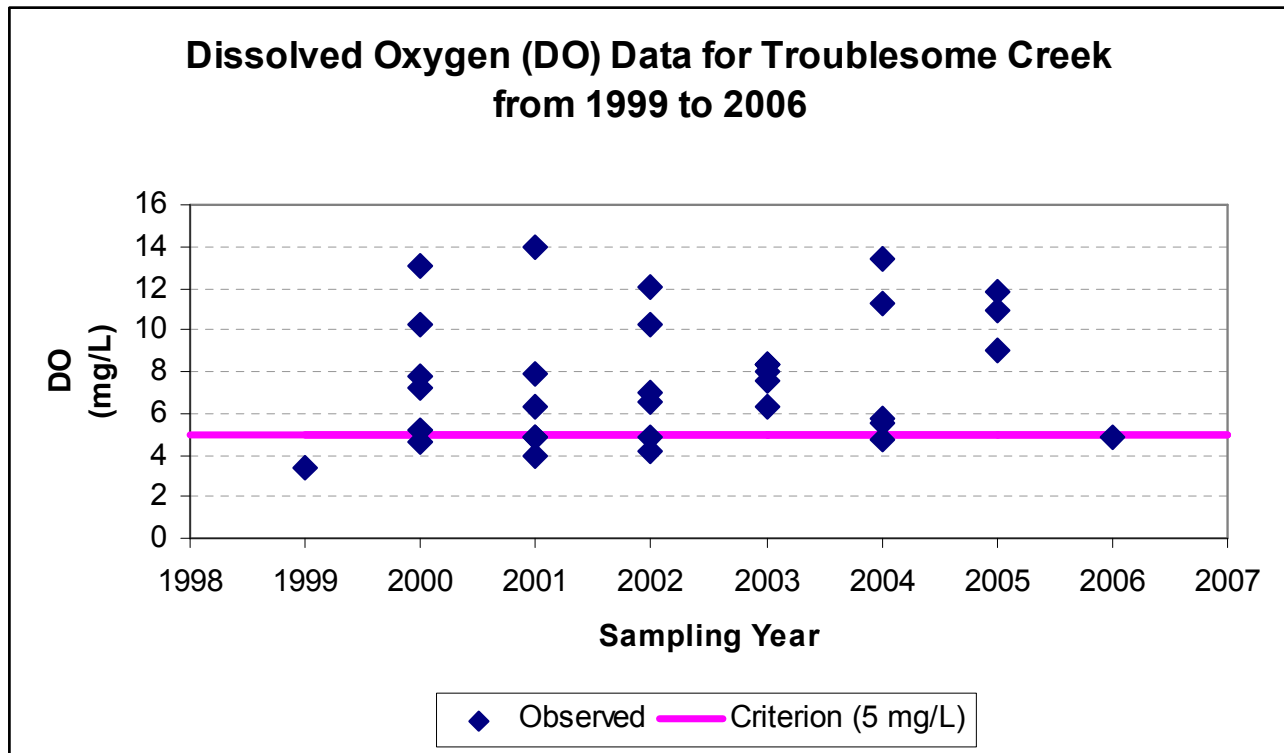
- In the Missouri Water Quality Standards, found in 10 CSR 20-7.031 Table A, the criterion for dissolved oxygen, or DO, in streams is a minimum of 5 mg/L (milligrams per liter or parts per million).

Background information and water quality data

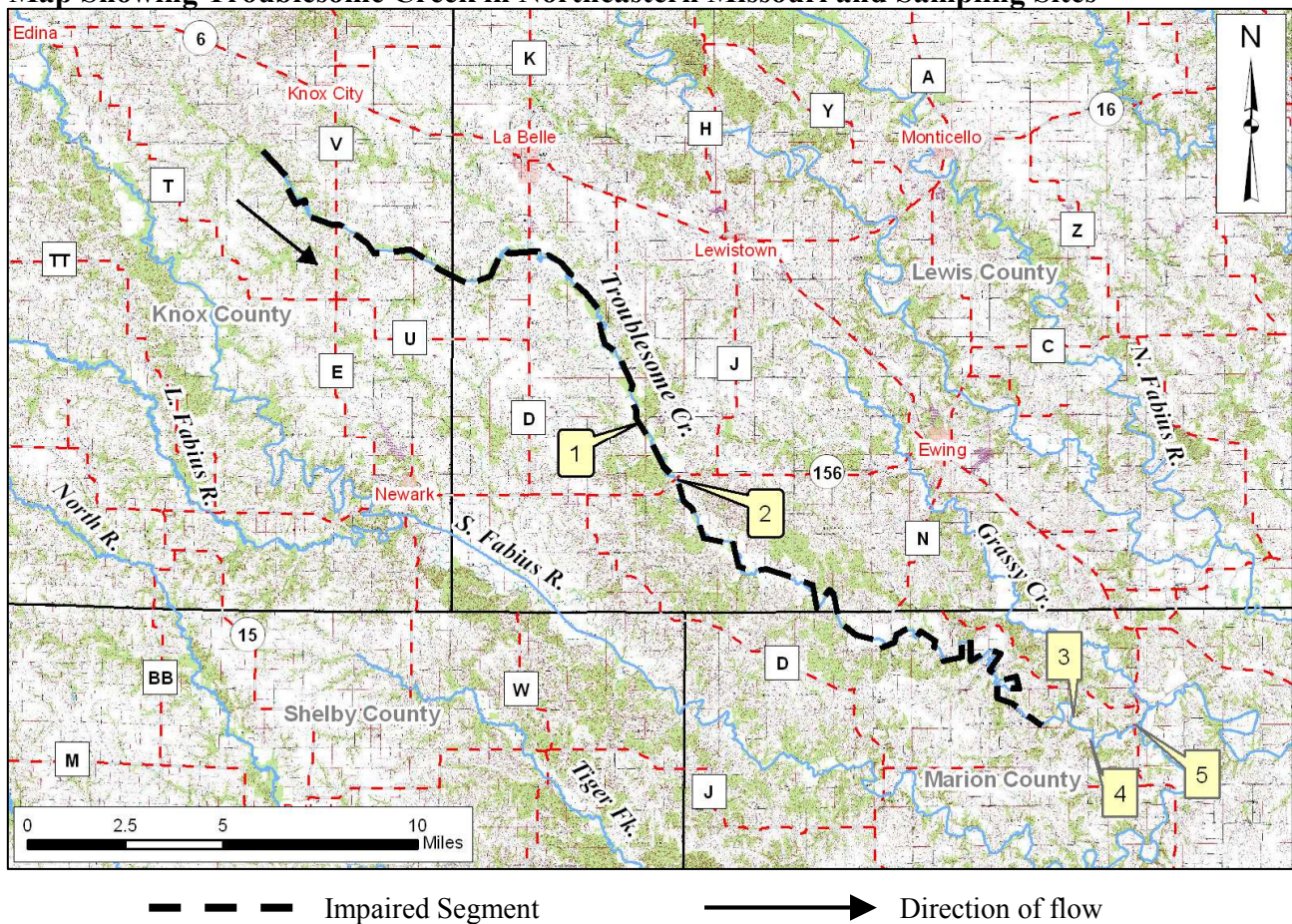
Troublesome Creek is a tributary to the South Fabius River in northeast Missouri. It flows through three counties. The low dissolved oxygen impairment is based on data collected by the U.S. Geological Survey from 1999-2004 and by the department from 2005-2006.

Water quality conditions in Troublesome Creek are not protective of aquatic life as the dissolved oxygen is too low. Dissolved oxygen is important as many aquatic organisms require high levels of oxygen to survive. For dissolved oxygen, if more than 10 percent of measurements in a water body

fail to meet the water quality criterion that water body is judged to be impaired. In the case of Troublesome Creek, nine of 31 samples (29 percent) did not meet the water quality criterion. It is not known what is causing the dissolved oxygen to be low.



Map Showing Troublesome Creek in Northeastern Missouri and Sampling Sites



Sample Sites

- 1 – Troublesome Cr. at county road bridge
- 2 – Troublesome Cr. near Ewing
- 3 – Troublesome Cr. at county road 118
- 4 – Troublesome Cr. at county road 143
- 5 – Troublesome Cr. at State Highway A

For more information call or write:

Missouri Department of Natural Resources
Water Protection Program

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